

D1
Cured
(b) growing a transgenic plant from said plant cell, wherein said DNA is expressed in said transgenic plant, and wherein said transgenic plant has increased tolerance to an environmental stress compared to a corresponding untransformed plant.

D2
24. (Twice amended) A plant comprising substantially pure DNA encoding a calcium-dependent protein kinase (CDPK) polypeptide that includes a PK domain, wherein said polypeptide increases the level of tolerance, on a plant expressing said polypeptide, to an environmental stress.

D3
36. (Twice amended) Substantially pure DNA encoding a calcium-dependent protein kinase (CDPK) polypeptide consisting essentially of a PK domain, said polypeptide being capable of increasing the level of tolerance to an environmental stress in a transgenic plant.

Add the following new claims.

D4
49. The method of claim 1, wherein said calcium-dependent protein kinase (CDPK) polypeptide is ATCDPK1 or ATCDPK1a.

50. The method of claim 24, wherein said calcium-dependent protein kinase (CDPK) polypeptide is ATCDPK1 or ATCDPK1a.
